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III. Spectroscopy and Optical Properties
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Nonlinear Interaction of Waves under Ultrasound Amplification Conditions in CdS. (E) V. K. Komar' and B. L. Timan—248 [304]

Scattering of Sound by Spin Waves in a Ferromagnet. (T) N. I. Pushkina and R. V. Khokhlov—316 [398]

Nonlinear Theory of Ultrasonic Amplification in Semiconductors. (T) Yu. V. Gulyaev—328 [415]

Phase Transformation of Titanium and Zirconium in Shock Waves. (E) V. N. German, A. A. Bakanova, L. A. Tarasova, and Yu. N. Sumulov—490 [637]

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Temperature Dependences of the Absorption of 9.4 GHz Hypersound in Al_2O_3 and $LiNbO_3$ Single Crystals. (E) M. A. Grigor'ev, Yu. A. Zyuryukin, V. I. Nayanov, V. A. Polotnyagin, and V. N. Shevchik – 2449 [3033]
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Generation of Harmonics during Propagation of Ultrasonic Longitudinal and Shear Waves in Solids. (E) L. K. Zarembo and V. V. Shklovskaya-Kordi – 2960 [3637]

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Structure and Adsorption Behavior of Sodium Films on (011) Faces of Tungsten. (E) V. K. Medvedev, A. G. Naumovets, and A. G. Fedorus – 301 [375]
Adsorption and Work Function of Ytterbium and Neodymium on Tungsten. (E) Ts. S. Marinova and Yu. V. Zubenko – 398 [516]
Successive Adsorption of Nitrogen, Carbon Monoxide, and Oxygen on Tungsten. (E) V. N. Ageev and N. I. Ionov – 1245 [1573]
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Adsorption of Titanium on Single Crystals of p-Type Germanium. (E) R. Z. Bakhtizin and I. L. Sokol'skaya – 2272 [2815]

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Nuclear Magnetic Resonance in Antiferromagnetic $NiCl_2$. (E/T) F. V. Bragin and S. M. Ryabchenko – 2905 [3579]
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Temperature Dependence of the Specific Heat and Electrical Resistivity of Dysprosium in the Vicinity of the Néel Point. (E) E. B. Amitin, Yu. A. Kovalevskaya, F. S. Rakhmenkulov, and I. E. Paukov – 599 [774]
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Liquation Nature of Activator Segregation in Glasses. (E) E. M. Milyukov, A. L. Reishakhrit, and M. N. Tolstoi – 404 [525]
Possibility of Experimental Observation of Heterophase Fluctuations during Melting. (T) V. I. Ivlev and G. K. Mal'tseva – 1810 [2264]
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Study of Internal Fields in Transition-Metal Alloys by the Method of Perturbed Angular Correlations. (E/T) V. A. Klyucharev and V. P. Bozhko – 2815 [3466]
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Some Features of the Atomic Arrangement in the MgO–MnO System. (E) S. A. Chudinova, S. P. Kuz'kina, and O. N. Shivrin – 2027 [2519]
Comparison of the Activation Energies for Thermal and Mechanical Destruction of Polymers. (E) A. V. Amelin, O. F. Pozdnyakov, V. R. Regel', and T. P. Sanfirova – 2034 [2528]
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Crystal Field Parameters of Trigonal Dy^{3+} Ion Centers in Fluorite-Type Single Crystals. (T) M. V. Eremin, R. K. Luks, and A. L. Stolov – 2820 [3473]
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